

<b>Interview Summary</b>	Application No.	Applicant(s)	
	10/800,520	GRESSEL, JAMES R.	
	Examiner	Art Unit	
	Colby Hansen	3682	

All participants (applicant, applicant's representative, PTO personnel):

(1) Colby Hansen. (3) \_\_\_\_.

(2) Amir N. Penn. (4) \_\_\_\_.

Date of Interview: 21 December 2005.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☒ Yes e) ☐ No.

If Yes, brief description: a proposed amendment was faxed to Examiner which is attached herewith.

Claim(s) discussed: 16, 21, & 22.


Identification of prior art discussed: \_\_\_\_.

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Examiner and applicant's representative came to agreement regarding language that would overcome the Charvin et al. reference.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

  
**RICHARD W. RIDLEY**  
**PRIMARY EXAMINER**  
 SAE 44 3682

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

**FACSIMILE COVER SHEET**

Date: December 21, 2005  
To: Examiner Colby M. Hansen  
USPTO  
Fax No: 571-273-7105  
From: Amir N. Penn  
Tel. No: 312-245-5371

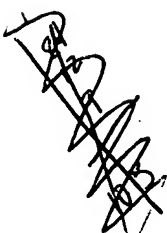
Serial No: 10/800,520  
Attorney Docket No: 12715-14

No. of Pages  
(inc. this page): 5

Confirmation Copy To Follow: Yes ☐ No ☒

IF YOU HAVE ANY PROBLEMS RECEIVING THIS MESSAGE,  
PLEASE CALL 312-321-4200 AND ASK FOR: Rose M. Garza ext. 4324

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**COVER MESSAGE:**

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16. (Currently Amended) A booster actuator for receiving a low energy input from an electrically activated device and outputting a high energy to activate a release of pressurized gas to a hazard area, the booster comprising:

a body having a force receiving input end and force delivery output end;

a force input member linearly movable relative to the body in direct response to the low energy force input from an initial input position to an activated input position;

a force output member linearly movable relative to the body in response to movement of the force input member from an initial output position to an activated output position, the ~~force high energy output member being independently movable~~ independent with respect to the ~~force low energy input member~~;

a first biasing member for biasing the force input member to the initial input position, wherein the low energy input overcomes the first biasing member to move the force input member from the initial input position to the activated input position;

a second biasing member for biasing the force output member to the activated output position;

a plurality of linking members each between the force input member and the force output member and pivotally moveable relative to the body from an engaged position for retaining the force output member in the initial output position to a disengaged position for releasing the force output member to the activated output position, the linking members being circumferentially arranged about the force input member and the force output member and each having an input end engaging the force input member and an output end engaging the force output member; and

the force output member includes an output member recess for receiving a lower end of each of the linking members when in the engaged position.

17. (Original) The booster actuator as defined in Claim 16, wherein the force input member includes an input member recess for receiving an upper end of the linking member when in the disengaged position, thereby allowing disengagement of the lower end of the linking member from the output member recess.

18. (Original) The booster actuator as defined in Claim 16, wherein a central axis of the force input member is substantially aligned with a central axis of the force output member.

19. (Original) The booster actuator as defined in Claim 16, further comprising;

the second biasing member comprises a plurality of disk springs.

20. (Original) The booster actuator as defined in Claim 16, wherein the force delivery output end of the body includes threads, and a reset member threaded to the delivery output end is rotated relative to the body to engage the force output member to move the force output member from the activated position to the initial position.

21. (Currently Amended) A booster actuator for receiving a low energy input and outputting a high energy output to operate a device, the booster comprising:

a body having a force receiving input end and force delivery output end;

a force input member movable relative to the body in direct response to the low energy input from an initial input position to an activated input position;

a force output member movable relative to the body in response to movement of the force input member from an initial output position to an activated output position, the ~~force high energy output member being independently movable~~ independent with respect to the ~~force low energy input member~~;

a first biasing member for biasing the force input member to the initial input position, wherein the low energy input overcomes the first biasing member to move the force input member from the initial input position to the activated input position;

a second biasing member for biasing the force output member to the activated output position;

a linking member between the force input member and the force output member and pivotally moveable with respect to the body from an engaged position for retaining the force output member in the initial output position to a disengaged position for releasing the force output member to the activated output position, the linking

member having an input end engaging the force input member and an output end engaging the force output member; and

an electrical coil surrounding the force input member, such that a change in electrical energy to the coil moves the force input member to the activated input position.

22. (Cancelled)

23. (Previously Presented) The booster actuator as defined in Claim 21, wherein the force output member includes an output member recess for receiving a lower end of the linking member when in the engaged position.

24. (Previously Presented) The booster actuator as defined in Claim 23, wherein the force input member includes an input member recess for receiving an upper end of the linking member when in the disengaged position, thereby allowing disengagement of the lower end of the linking member from the output member recess.

25. (Previously Presented) The booster actuator as defined in Claim 21, wherein at least three linking members each pivotable with respect to the body are circumferentially arranged about the force input member and the force output member.

26. (Previously Presented) The booster actuator as defined in Claim 21, wherein each of the input end and output end of the linking member is provided with a roller for engaging the force input member and the force output member, respectively.

27. (Previously Presented) The booster actuator as defined in Claim 21, wherein the force delivery output end of the body includes threads, and a reset member threaded to the delivery output end is rotated relative to the body to forceably engage the force output member to move the force output member from the activated position to the initial position.

28. (Previously Presented) A booster actuator as defined in Claim 16, wherein the low energy input is a primary motive force acting on the force input member to move to the activated input position.

29. (Previously Presented) The booster actuator as defined in Claim 16, wherein each of the input end and output end of the linking member is provided with a roller for engaging the force input member and the force output member, respectively.